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**FOR IMMEDIATE RELEASE**

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**Mitsubishi Electric to Launch 40Gbps Driver-In EML-TOSA  
Compliant with 40Gbps Miniature Device Multi-Source Agreement**

*Will help to downsize facilities and expand high-speed 40Gbps optical transmission networks*

**TOKYO, March 18, 2013** – [Mitsubishi Electric Corporation](http://www.MitsubishiElectric.com) (TOKYO: 6503) announced today that it will begin shipping a compact 40Gbps Electro-absorption Modulator with Laser diode-Transmitter Optical Sub Assembly (EML-TOSA) for optical transmissions on June 1. As of March 1, the FU-695REA became the world's first EML-TOSA to comply with the 40Gbps Miniature Device Multi-Source Agreement (XLMD2-MSA), which was signed by Mitsubishi Electric, LAPIS Semiconductor Co., Ltd., Oclaro, Inc., Renesas Electronics Corporation and Sumitomo Electric Industries, Ltd. and made effective as of this month.

The device will be displayed at the Optical Fiber Communication Conference and Exposition 2013 (OFC) in Anaheim, California from March 19–21.

As 10Gbps optical network interfaces give way to faster 40Gbps interfaces, installations in confined spaces are requiring the use of smaller communication equipment, which led to the demand for a downsized EML-TOSA. On March 13, Mitsubishi Electric and the four other leading optical device manufacturers announced common specifications for a compact EML-TOSA based on the XLMD2-MSA, aiming to meet the demand for smaller equipment and thereby expand the market for 40Gbps EML-TOSA.



40Gbps driver-in EML-TOSA  
“FU-695REA”

Mitsubishi Electric will be the world's first optical device manufacturer to ship an XLMD2-MSA-compliant EML-TOSA for optical transmissions, thereby helping to downsize 40Gbps communication facilities and expand high-speed 40Gbps optical transmission networks.

## **Product Features**

### ***1) Facilitates design of optical transceivers***

- Common-specification device sizes and optical/electrical interfaces allow manufacturers to standardize transceiver designs.
- Less expensive electrical interconnection with flexible printed circuit board instead of coaxial connectors.

### ***2) Contributes to the miniaturization of optical transceivers***

- 50% smaller than existing FU-697SEA model.
- Package size complies with common specifications for small CFP2/CFP4 optical-transceiver modules.

## **Other Features**

Wavelength: 1.55-micrometer band

Maximum transmission distance: 2km

Output power: 0 to 3dBm

Input (RF signals): Flexible printed circuit with differential signal interface

Size: 9.2mm x 18.1mm x 5.7mm (excluding receptacle)

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## **About Mitsubishi Electric**

With over 90 years of experience in providing reliable, high-quality products, Mitsubishi Electric Corporation (TOKYO: 6503) is a recognized world leader in the manufacture, marketing and sales of electrical and electronic equipment used in information processing and communications, space development and satellite communications, consumer electronics, industrial technology, energy, transportation and building equipment. Embracing the spirit of its corporate statement, Changes for the Better, and its environmental statement, Eco Changes, Mitsubishi Electric endeavors to be a global, leading green company, enriching society with technology. The company recorded consolidated group sales of 3,639.4 billion yen (US\$ 44.4 billion\*) in the fiscal year ended March 31, 2012. For more information visit <http://www.MitsubishiElectric.com>

\*At an exchange rate of 82 yen to the US dollar, the rate given by the Tokyo Foreign Exchange Market on March 31, 2012